

## FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

| ATTY. DOCKET NO. |
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| I-2-0414.1US     |

SERIAL NO. 10/672,179

## APPLICANT Cave et al.

FILING DATE September 26, 2003 GROUP 2617

|                     |                 | U.S. PATENT [ | DOCUMENTS       |       |          |          |                   |
|---------------------|-----------------|---------------|-----------------|-------|----------|----------|-------------------|
| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE          | NAME            | CLASS | SUBCLASS | FILING ( | DATE IF<br>PRIATE |
|                     | 5,166,929       | 11/1992       | Lo              |       |          |          |                   |
|                     | 5,276,911       | 01/1994       | Levine et al.   |       |          |          |                   |
|                     | 5,956,644       | 09/1999       | Miller et al.   |       |          |          |                   |
|                     | 6,088,344       | 07/2000       | Wales et al.    |       |          |          |                   |
|                     | 6,128,504       | 10/2000       | Ciccone         |       |          |          | -                 |
|                     | 6,577,618       | 06/2003       | Diachina et al. |       |          |          |                   |
|                     | 6,965,633       | 11/2005       | Sun et al.      |       |          |          |                   |
| *                   | 6,967,940       | 11/2005       | Marinier et al. |       |          |          |                   |
|                     | 2001/0024956    | 09/2001       | You et al.      |       |          |          |                   |
|                     | 2001/0038619    | 11/2001       | Baker et al.    |       |          |          |                   |
|                     | 2001/0053140    | 12/2001       | Choi et al.     |       |          |          |                   |
|                     | 2002/0089957    | 07/2002       | Viero           |       |          |          | •                 |
|                     | 2002/0114294    | 08/2002       | Toskala et al.  |       |          | ·        |                   |
|                     | 2002/0163956    | 11/2002       | Seo et al.      |       |          |          |                   |
|                     | 2004/0008658    | 01/2004       | Dahlman et al.  |       |          |          |                   |
|                     | 2004/0047333    | 03/2004       | Han et al.      |       |          |          |                   |
|                     | 2005/0180377    | 08/2005       | Muramoto et al. |       |          |          |                   |
|                     | 2006/0203753    | 09/2006       | Toskala et al.  |       |          |          |                   |
| ·                   |                 | FOREIGN PATEN | T DOCUMENTS     | · ·   | ·1:      |          |                   |
| EXAMINER            |                 |               |                 |       |          | TRANSL   | ATION             |
| INITIAL             | DOCUMENT NUMBER | DATE          | COUNTRY         | CLASS | SUBCLASS | YES      | NO                |
|                     | 1 122 962       | 08/2001       | EP              |       |          |          |                   |
|                     | 01/10158        | 02/2001       | WO              |       |          |          |                   |
|                     |                 |               |                 |       |          |          |                   |

| EXAMINER | DATE CONSIDERED |
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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | APPLICANT Cave et al.             |                          |  |
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| (Use several sheets if necessary)                       |                                   |                          |  |

|                     |   | OTHER DOCUMENTS   |  |
|---------------------|---|---|--|
| EXAMINER<br>INITIAL |   |   |  |
|                     |   | Chong, "WCDMA Physical Layer (Chapter 6)", www.comlab.hut.fi/opetus/238/lecture6_ch6.pdf, January 2002.   |  |
|                     |   | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 1999), 3GPP TS 25.211 V 3.2.0 (2000-03).  |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 1999), 3GPP TS 25.211 V 3.11.0 (2002-06). |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 1999), 3GPP TS 25.211 V 3.12.0 (2002-09). |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 4), 3GPP TS 25.211 V 4.5.0 (2002-06).     |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 4), 3GPP TS 25.211 V 4.6.0 (2002-09).     |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 5), 3GPP TS 25.211 V 5.1.0 (2002-06).     |  |
|                     | * | THIRD GENERATION PARTNERHSIP PROJECT; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD) (Release 1999), 3GPP TS 25.211 V 5.4.0 (2003-06).  |  |
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; RRC Protocol Specification (Release 4), 3GPP TS 25.331, V 4.2.1 (2001-10).  |  |
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 1999), 3GPP TS 25.331, V 3.12.0 (2002-09).                             |  |
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 1999), 3GPP TS 25.331, V 3.15.0 (2003-06).                             |  |

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|   | EAAWIIVEH |                 |

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| (Use several sheets if necessary)                       |                                   |                          |  |

| EXAMINER<br>INITIAL |   | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)   |  |
|---------------------|---|--|--|
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 4), 3GPP TS 25.331, V 4.7.0 (2002-09).  |  |
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 4), 3GPP TS 25.331, V 4.10.0 (2003-06). |  |
|                     |   | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 5), 3GPP TS 25.331, V 5.1.0 (2002-06).  |  |
|                     | * | THIRD GENERATION PARTNERSHIP PROJECT; Technical Specification Group Radio Access Network; Radio Resource Control (RRC) Protocol Specification (Release 5), 3GPP TS 25.331, V 5.5.0 (2003-06).  |  |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
|          |                 |